SolarIQ Optimizer

User Manual

SIAPV_POW_OPTDE01B

Manual de utilizare

Thank you for purchasing our products!

Please read this manual before using the product.

***nJoy** is a brand of power and backup protection products that creates solutions for multiple levels of environment complexity, residential to industrial.*

The SolarIQ optimizer works by adjusting the performance of the solar panel to ensure that it operates at peak efficiency by individually tracking its maximum power point. It reduces the impact of shading, dirt, or panel mismatch.

1 Safety Precautions

Due to continuous upgrade of the product or other reasons, the content of the document will be updated continuously. Unless otherwise agreed, the contents of this document cannot replace the safety precautions on product labels. The description in manual should be used as guidance only.

Please read this installation guide carefully before installation.

◆ The installation technician should use insulated tools and wear personal protective equipment.

◆ Failure to follow the requirements of this document to operate the equipment may result in personal injury or equipment damage, and our company is not responsible for it.

2 Warning

Danger of high voltage, please make sure the power is off when installing and removing the Optimizer.

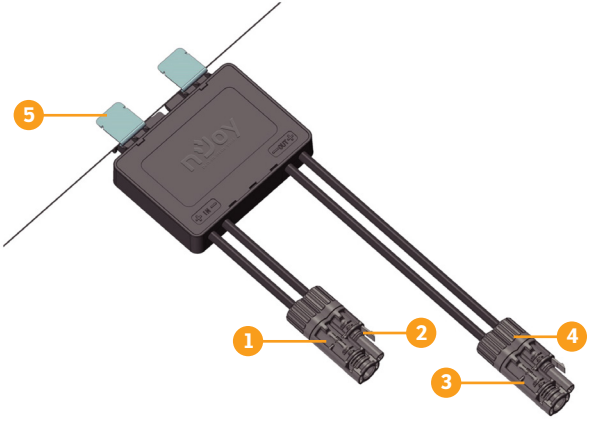
When the device is running, surface temperature is high, do not touch. Otherwise it may cause burns.

Before installation, please read the product manual carefully.

When the device is running, there is potential danger. Please wear protective equipment during operation.

3 Equipment Overview

1 Optimizer input positive
2 Optimizer input negative
3 Optimizer output negative
4 Optimizer output positive
5 Mounting clips



Components

⚠ WARNING

Wrong sequence of installation and disassembly may cause irreversible damage to the product, or other risks

4 Installation steps

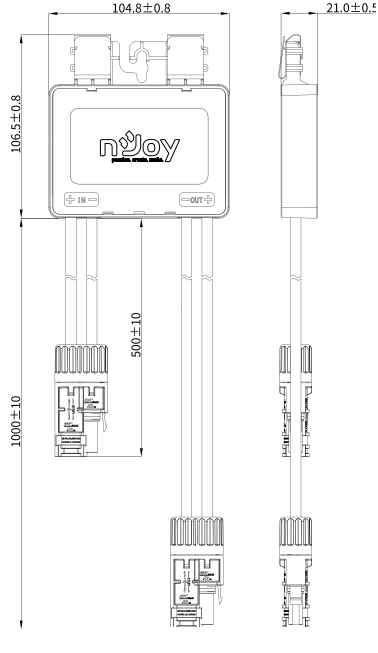
A Fastening Optimizer.

B Connect Optimizer input positive 1 with PV module output positive.

C Connect Optimizer input negative 2 with PV module output negative.

D Connect Optimizer output negative 3 with next PV module positlve or next Optimizer output positive.

E Connect Optimizer output positive 4 with next PV module negative or next Optimizer output negative.



5 Disassembly steps

Disconnect the optimizer following these steps:

E ⟶ **D** ⟶ **C** ⟶ **B** ⟶ **A**

6 After installation